



Lake Michigan Water Safety Webinar

National Weather Service Grand Rapids MI



Evolution	<ul style="list-style-type: none">• Winds and waves will increase today and peak early this evening.
Time Period of Concern	<ul style="list-style-type: none">• This afternoon and evening.
Threat Area	<ul style="list-style-type: none">• All beaches from St. Joseph to Manistee
Confidence Level	<ul style="list-style-type: none">• HIGH• These are higher than normal winds and waves for July.

Saturday July 20th 1000AM



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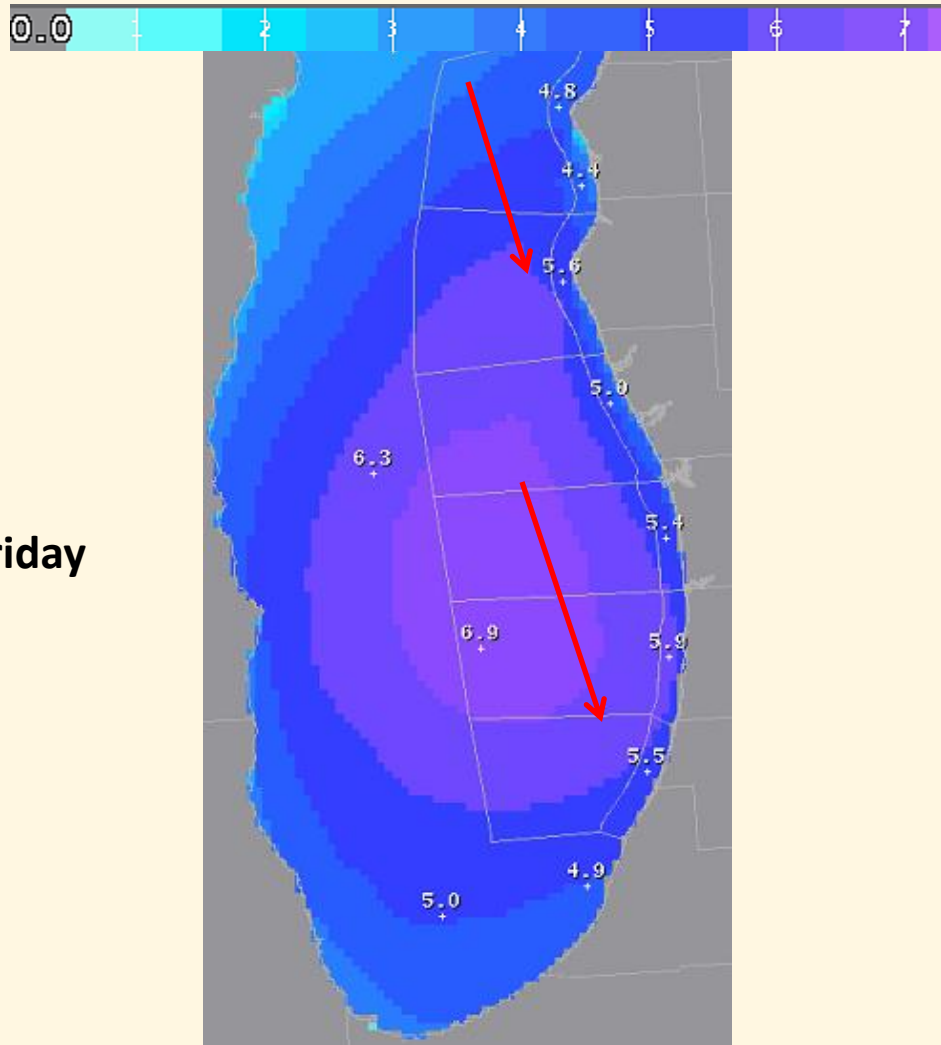
Wind	<ul style="list-style-type: none">• Northwest to North winds 15 to 25 mph today.• Winds diminish this evening.
Waves	<ul style="list-style-type: none">• Waves building to 3 to 6 feet by afternoon.• Waves decreasing to 1 to 3 feet by daybreak Sunday.
High Impact Beaches	<ul style="list-style-type: none">• Stearns Park in Ludington...Mears State Park in Pentwater...Muskegon State Park, Holland State Park and North Beach at South Haven...all of which are located on the north side of north piers (structural currents).
Other Concerns	<ul style="list-style-type: none">• In wind regimes roughly parallel to the coast (northerly or southerly), strong long shore currents form. Strong long shore currents can be expected sweeping down the beach from north to south today.

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**Forecast Average
Wave Heights
Image Valid: 700pm Friday**

Red arrow indicates direction the wind is coming from today
Wave heights in feet



Summary

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- Waves building to 3 to 6 feet by late afternoon.

- Hazardous swimming conditions this afternoon and evening.
- It being the weekend and water temperatures in the 70s will mean a high number of people swimming in Lake Michigan today.

**It is critical in this situation that beach goers are made aware of the
HIGH swim hazard risk Today**

- Swim Hazard Risk: **HIGH**

- Strong Long Shore currents can be expected sweeping south down the beach.
- Structural currents can be expected on the north side of north piers.



Click the Links Below for More Information

National Weather Service Grand Rapids MI



NWS Grand Rapids Website

<http://www.weather.gov/grr>

Recreational Beach Forecast

<http://www.crh.noaa.gov/grr/marine/surf/>

GLERL Wave Model

<http://www.glerl.noaa.gov/res/glcfs/>

Buoy / Lakeshore Obs

<http://www.ndbc.noaa.gov/maps/>

Beach Observations

<http://www.crh.noaa.gov/grr/products/>
select OMRGRR